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Amendment of Claims as of January 4, 2007 under 37 CFR 1.312

1-2. cancelled

3. (previously presented) An arch shape cross section leaching chamber having a base, a top, and opposing sidewalls running upwardly from the base to the top, comprising:

a portion of sidewall running curvingly upward from proximity of the base toward the top of the chamber; and,

a plurality of perforations in the sidewall portion, spaced apart upwardly along the sidewall, for flowing water from within the chamber to the exterior of the chamber, the perforations shaped as horizontal slots and sloped downwardly from the chamber interior to the chamber exterior;

wherein each slot has an opening height which is the vertical distance between the top and bottom surfaces of the perforation at the exterior surface of the sidewall; and wherein the opening heights of said plurality of slot perforations increases with elevation from the base;

and, wherein sidewall portion thickness varies with elevation from the base.

4. (previously presented) The chamber of claim 3, wherein the opposing sidewalls of the chamber have similar perforation heights and sidewall thicknesses.

5. (previously presented) The chamber of claim 3, wherein the Soil Threshold Angle (STA) of said plurality of perforations is substantially similar; wherein Soil Threshold Angle is the angle between a horizontal line and a straight line running from the top outside edge of a perforation to the bottom inside edge of the perforation.